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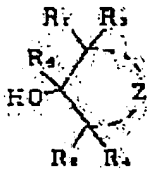
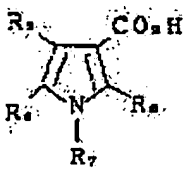
(54) PRODUCTION OF BETA-ALKOXYCARBONYLPYRROLE COMPOUND

(57)Abstract:
PURPOSE: To obtain the subject compound useful as an intermediate for dyes, a coloring matter-forming coupler, etc., in good yield under mild conditions by carrying out the condensing reaction of an alcohol having great steric hindrance with pyrroles using an inexpensive and readily available acid halide.
CONSTITUTION: An alcohol expressed by formula I (Z is a nonmetallic atomic group required to form a ring; R1 and R2 are each substituent groups; R3 to R9 are each H, a substituent group; X is a halogen; Y is SO2 or CO; R10 is an alkyl, an aryl or an alkoxy) and pyrroles expressed by formula II are subjected to the condensing reaction in the presence of an acid halide expressed by formula III to afford a β-alkoxycarbonylpyrrole compound expressed by formula IV. The acid halide expressed by formula III is readily available one, e.g. methanesulfonyl chloride. The compound expressed by formula IV is useful as a synthetic intermediate for dyes or a coloring matter-forming coupler in the photographic chemical field and an antiinflammatory agent in the medical field.



I



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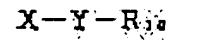

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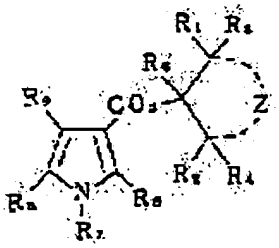

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LEGAL STATUS

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